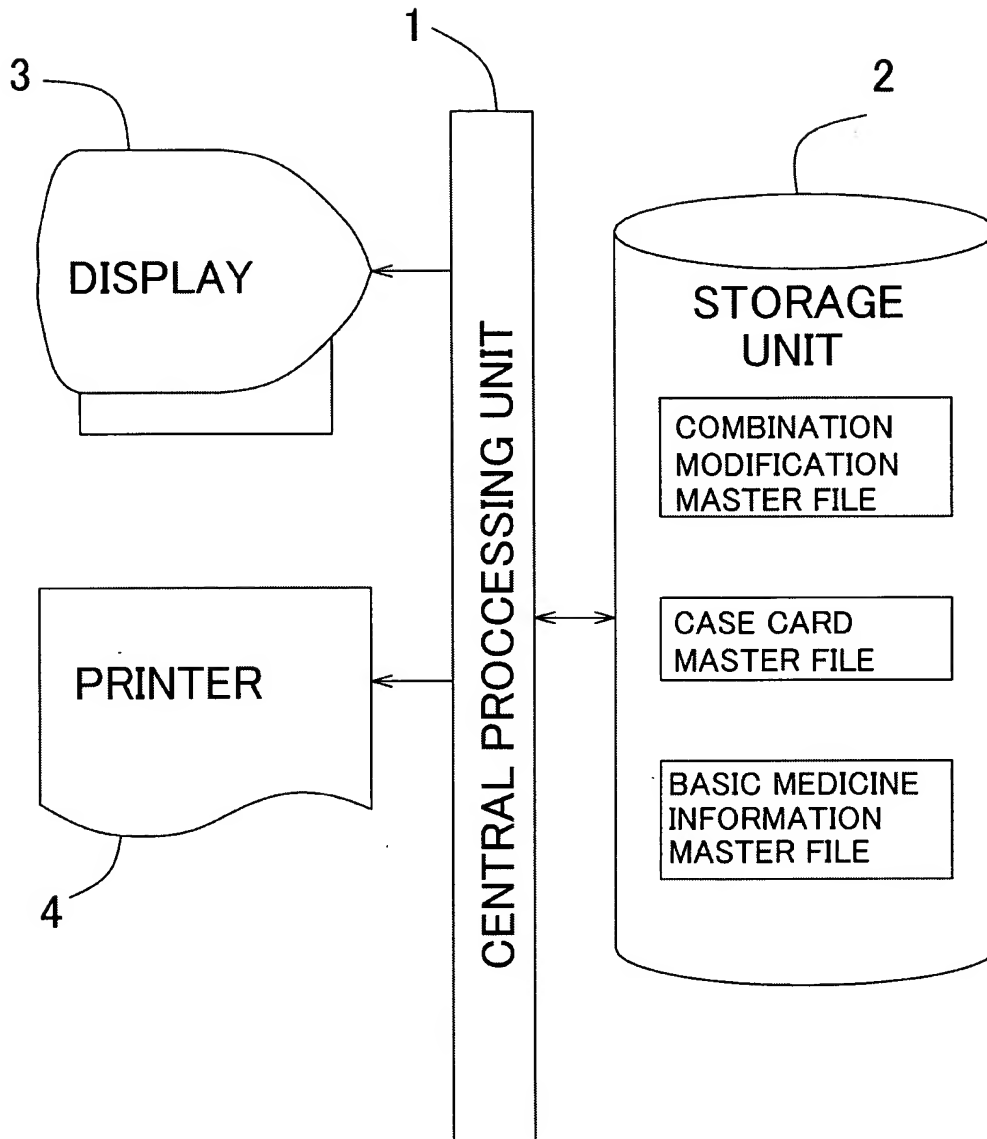




Fig. 1



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Fig. 2

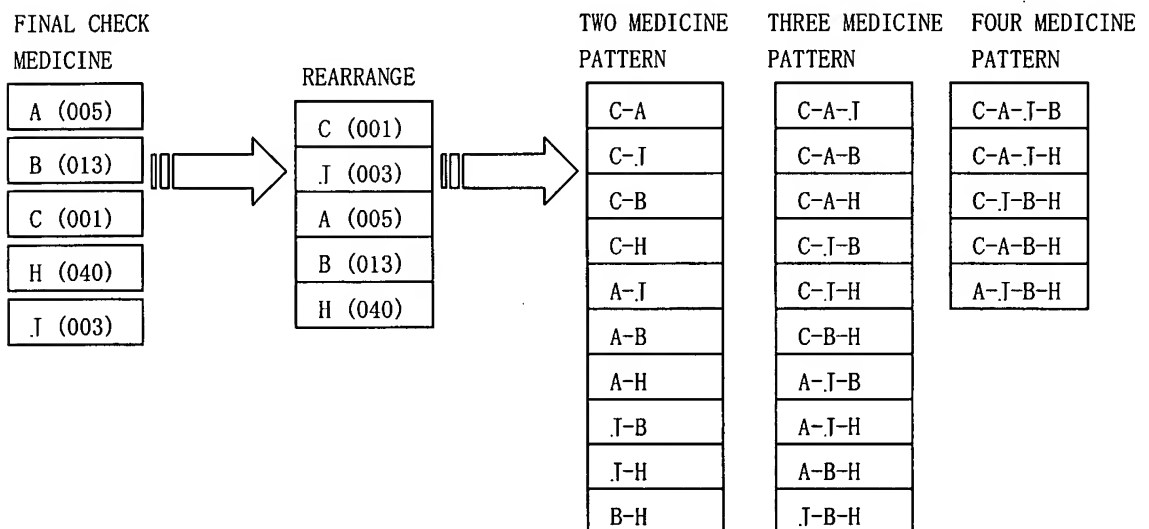
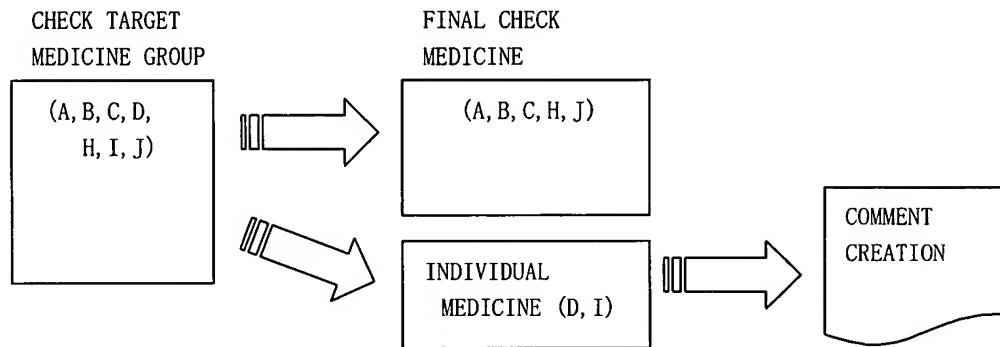
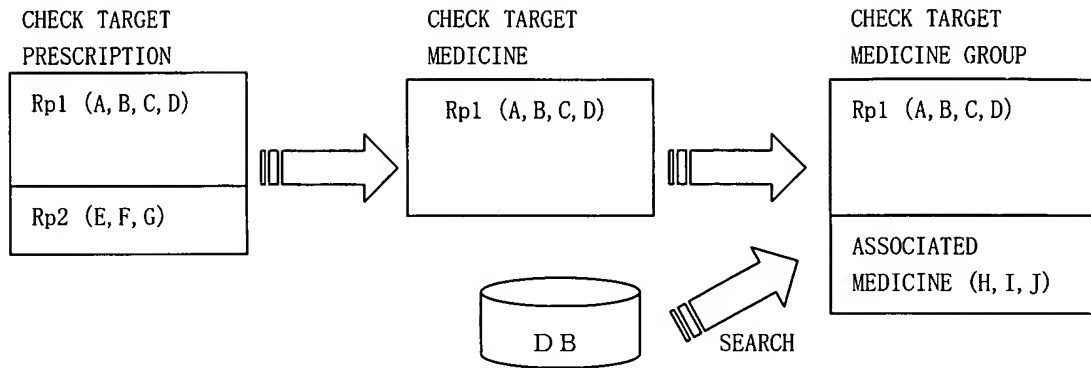


Fig. 3A

Injection Audit List							Version	
Prescription No.	Order No.	Prescription Category	Ward	Administration Date	Patient ID	Patient Name	Target Prescription Category	
1	0000000729	01771452	extra injection	West Ward 6	2003/04/09		regular injection	
2	0000000735	01724336	regular injection	12th floor	2003/04/09		extra injection	
3	0000000736	01761588	regular injection	West Ward 9	2003/04/09		urgent injection	
4	0000000739	01775128	extra injection	ICU	2003/04/09		narcotic injection	
5	0000000740	01771929	extra injection	East Ward 10	2003/04/09		investigational medicine injection	
6	0000000741	01771926	extra injection	East Ward 10	2003/04/09		blood preparations	
7	0000000748	01749895	regular injection	West Ward 9	2003/04/09		injected	
8	0000000749	01749895	IVH injection	West Ward 9	2003/04/09		IVH injection	
9	0000000752	01772285	extra injection	8-1	2003/04/09		intramural injection	
10	0000000762	01770977	extra injection	10-7	2003/04/09		narcotic injection	
11	0000000775	01780625	urgent injection	10-9	2003/04/09		investigational medicine injection	
12	0000000779	01777909	intramural injection	Department of Internal Medicine	2003/04/09		blood preparations	
13	0000000781	01765215	regular injection	10-8	2003/04/09		injected	
14	0000000795	01769942	extra injection	10-9	2003/04/09		IVH injection	
15	0000000800	01760924	regular injection	10-9	2003/04/09		intramural injection	
16	0000000801	01760924	IVH injection	10-9	2003/04/09		narcotic injection	
17	0000000803	01768004	regular injection	10-9	2003/04/09		investigational medicine injection	
18	0000000804	01768004	IVH injection	10-9	2003/04/09		blood preparations	
19	0000000807	01770303	extra injection	10-7	2003/04/09		injected	
20	0000000809	01770102	extra injection	10-7	2003/04/09		IVH injection	
21	0000000811	01767586	regular injection	West Ward 7	2003/04/09		intramural injection	
22	0000000816	01725026	regular injection	12th floor	2003/04/09		narcotic injection	
23	0000000817	01725026	IVH injection	12th floor	2003/04/09		investigational medicine injection	
24	0000000828	01768272	regular injection	West Ward 9	2003/04/09		blood preparations	
25	0000000835	01774129	extra injection	10-6	2003/04/09		injected	

Prescription Input												
Input/Audit Mode: payout processing version												
Patient ID		Age	86.1	Sex	Male	Ward Name	28	Room	1401			
Prescription start date	2008/04/09	extra injection	Department TA	Department of Internal Medicine	Doctor							
There is an error												
Inputed quantities												
Ref	Code	Medicine Name	Dosage	Unit	04/09(Wed)	04/10(Thu)	04/11(Fri)	04/12(Sat)	04/13(Sun)	04/14(Mon)	04/15(Tue)	Combination Modification Error
1-12	drip injection	01778394										
31256	Physio 35 (500mL plastic bottle)		1.000 B		1.000							B
@IC2206	in 6 hours											
@IC3999	Return to the storage.											
/710011 morning											
2-12	drip injection	01779663										
31256	Physio 35 (500mL plastic bottle)		1.000 B		1.000							B
30353	Vitamedin intravenous		1.000 V		1.000							V
30009	Aspara K (1712mg/10mLA)		1.000 A		1.000							A
30938	Nicholin H (1g/4mLA)		1.000 A		1.000							A
30913	Concylte-P (0.5M)(1.74g/20mLA)		1.000 A		1.000							A
@IC3999	No1											
@IC2206	in 6 hours											
/710021 day											
3-12	drip injection	01779664										
31256	Physio 35 (500mL plastic bottle)		1.000 B		1.000							B
30096	Calcicol (425mg/5mL polyampul)		1.000 A		1.000							A
30234	Tagamet injection 200mg (200mg/2mLA)		1.000 A		1.000							A
@IC2206	in 6 hours											
@IC3999	No2											
/710021 day											
4-12	drip injection	01779665										
31256	Physio 35 (500mL plastic bottle)		1.000 B		1.000							B
30009	Aspara K (1712mg/10mLA)		1.000 A		1.000							A
30234	Tagamet injection 200mg (200mg/2mLA)		1.000 A		1.000							A

"Combination Modification Information" button
 "Combination Modification Error" button

combination check
 OP-superuser
 F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12
 issuance search payout amount insertion deletion R P medical copy attribute HELP after execution

Prescription Input									
Input/Audit Mode: payout processing Version									
Patient ID		Age	86.1	Sex	Male	Ward Name	28	Room	1401
Prescription	extra injection	Department	TA	Department of Internal Medicine	Doctor				
start date	2003/04/09								
There is an error									
Prescription Information									
Rp	Code	Medicine Name	Dosage	Unit	Day	Inpurtted quantities	Combination Modification Information	Combination Modification Error	Addition/Correction
30234	@IC2206	Tagamet injection 200mg (200mg/2mLA)	1,000 A		04/09(Wed)	1,000	04/13(Sun)	04/14(Mon)	04/15(Tue)
@IC3999	No2								
7/10021 day								
4-12	drip injection	01779665							
31256	Physio 35 (500mL plastic bottle)		1,000 B						
30009	Aspara K (1712mg/10mLA)		1,000 A						B
30234	Tagamet injection 200mg (200mg/2mLA)		1,000 A						A
30913	Concylte-P (0.5M)(1.74g/20mLA)		1,000 A						A
@IC2206	in 6 hours								
@IC3999	No3								
7/10021 day								
5-12	drip injection	01779666							
31256	Physio 35 (500mL plastic bottle)		1,000 B						B
30096	Calcirol (425mg/5mL polyampul)		1,000 A						A
@IC2206	in 6 hours								
@IC3999	No4								
7/10021 day								
6-12	drip injection	01779888							
30715	isotonic sodium chloride solution kit H (100mL plastic bottle)		1,000 B						B
30457	Minomycin (100mg/V)		1,000 V						V
@IC2230	in 30 minutes								
7/10131	O April 9 2003 evening								
@ICP									

OP:superuser

**“Combination
Modification”
Information
button**

“Combination Modification Error” button

Fig. 3D

Combination Modification Result List				
Grp	Medicine Name	Contents of combination modification change	Plural	E
1	Aspara K (1712mg/10mLA) Minomycin (100mg/V)	[X] . . . Color becomes darker.	Yes	

In this software database a combination modification of the type that cannot be checked may occur.

☒ ☒ ☒ ☒

F-1 F-2 F-3 F-4 F-5 F-6 F-7 F-8 F-9 F-10 F-11 F-12

details all Rp selected Rp all date print previous page next page

"details" button "individual date" button "all date" button "previous page" button "next page" button

Fig. 4

“pH Change information” button “Component information” button “Individual medicine information” button

Detailed Combination Modification Result

GrpNo. = 1 pH Change Information Component Information Individual Medicine Information

Medicine Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Acid-side Change	Basic-side Change
Physio 35 (500mL plastic bottle)																
Physio 35 (500mL plastic bottle)																
Vitamedin																
Aspara K (1712mg/10mLA)																
Nicholin H (1g/4mLA)																
Concylte-P (0.5M)																
Physio 35 (500mL plastic bottle)																
Calcicol																
Tagamet injection 200mg																
Physio 35 (500mL plastic bottle)																
Aspara K (1712mg/10mLA)																
Tagamet injection 200mg																
Concylte-P (0.5M)																

partial data is available

“remark” column

“combination medicine group column”

“partial data is available”

“combination modification information column”

“combination medicine group column”

“pH region in which mixing is feasible”

“titration reduction”

“clouded/opacity”

“partial data is available”

“Combination Modification Information”

Combination medicine group: “Aspara K (1712mg/10mLA)” “Minomycin (100mg/V)”

Item	Contents
Search date source	
First medicine name, dosage	• Aspara K (1712mg/10mLA)
Second medicine name, dosage	• Minomycin (100mg/V)
Third medicine name, dosage	
Fourth medicine name, dosage	
Combination modification comment	[X] • • • Color becomes darker
Remark	Minomycin is dissolved in distilled water for injection (5ml) and then mixed with 5% dextrose in water (20ml)
Medicine modified	unknown
Combination order	no need of consideration
Order of medicines to be combined	
Time required for change after combination	0.0 hour
Registration type	undefined
Time-series comment 1	immediately after the combination/appearance yellow color becomes slightly darker
	pH: residual ratio:

Display option (combination modification result)

☐ no change ☒ immediately used ☒ changed right after the combination

Display option (each data base)

☒ combination modification DB ☒ case card DB

“Case card” button

“print” button

“medicine name column”

F-1 F-2 F-3 F-4 F-5 F-6 F-7 F-8 F-9 F-10 F-11 F-12

case card pH component information medicine information print

Fig. 5

pH Change Information		Component Information		Individual Medicine Information					
Medicine Name	Inpitted Dosage	Total Quantities(m)	Calorie(kcal)	Sodium	Potassium	Magnesium	Calcium	Ammonium	Chlorine
Amizet B (400ml plastic bottle)	1,000 B	400.00	0.00						
Aspara K (1712mg/10mLA)	3,000 A	30.00	0.00						
Dormicum Injection (10mg/2mLA)	1,500 A	3.00	0.00						
Adona (100mg/20mLA)	2,000 A	40.00	0.00						
Soldacton 200mg (200mg/A)	1,000 A	0.00	0.00						
Transamin S (1g/10mLA)	1,000 A	10.00	0.00						
total		483.00	0.00						

Select display item
☒ electrolyte ☐ sugar ☐ amino acid ☐ fat

☐ trace of elements ☐ vitamine ☐ user setting

user registration

"select display item" column

"user registration" button

pH Change Information		Component Information		Individual Medicine Information	
Medicine Name	Storage method	Calorie	Administration dosage	Administration period	Osmotic pressure ratio (lower limit)
Amizet B (400mL plastic bottle)	<input checked="" type="checkbox"/> avoid direct sunlight	0.00 kcal	<input checked="" type="checkbox"/> peripheral intravenous administration		3.00
Aspara K (1712mg/10mLA)	<input type="checkbox"/> room-temperature storage	0.00 kcal	<input type="checkbox"/> L-asparagine		1.00
Dormicum Injection (10mg/2mLA)	<input type="checkbox"/> room-temperature storage	0.00 kcal	<input type="checkbox"/> preanesthetic administration		0.60
Adona (100mg/20mLA)	<input type="checkbox"/> room-temperature storage	0.00 kcal	<input type="checkbox"/> carbazochromes		2.00
Soldacton 200mg (200mg/A)	<input type="checkbox"/> room-temperature storage	0.00 kcal			0.00
Transamin S (1g/10mLA)	<input type="checkbox"/> room-temperature storage	0.00 kcal			2.00

For adults, usually, as sodium carbazochrome sulfonate, 25-100 mg per day is intravenously injected or dripped. Incidentally, the dosage is appropriately increased or decreased depending on the age and symptom.

Adona (AC-17): 100mg (20mL): one tube; when an ampul is cut open, the present product employs an one-point-cut ampul and therefore, after cleanly wiping a cut portion with ethanol cotton and the like, break it off in the opposite direction of a mark of an ampul branch portion without using a file.

☐ page 4

☒ page 5

☐ page 6

☐ user setting

“user registration”
button

Fig. 7

"combined medicine confirmation" tab

first medicine column second medicine column displayed medicine list, the first medicine

Case Card Registration

Select medicines to be combined (combined medicine confirmation (two-medicine combination))

Medicines to be combined

The first medicine (one case)

Medicine Code	Medicine Name
30004	Akineton (5mg/1mLA)

The second medicine (3 cases)

Medicine Code	Medicine Name
30735	Aqupla 100mg (100mg/V)
30733	Aqupla 10mg (10mg/V)
30734	Aqupla 50mg (50mg/V)

The third medicine (0)

Medicine Code	Medicine Name
---------------	---------------

The fourth medicine (0)

Medicine Code	Medicine Name
---------------	---------------

Case card registration form for combination modification

Version 1.0.0.0

Medicine List

Medicine Code Medicine Name in the order of medicine codes in the order of medicine names

22384	MS cold compress [Takamitsu] (200g/5 sheets per bag)		
20587	PL granules		
24016	S-Adochnon Tablets (30mg)		
30258	TRH injection TANABE (0.5mg/1mLA)		
24021	Argamate Jelly (5g per piece)		
21923	Arkin Z Tablets (60mg) ▲		
21758	Artist Tablets (10mg)		
20036	Arten 1% powder (10mg/g)		
20037	Arten Tablets (2mg)		
30828	Albulin (0.5g/V)		
30844	Isovorin injection (25mg/V)		
21842	Itorol Tablets (20mg)		
21804	IBD capsules 100 (100mg)		
24090	IBD dry syrop 5% ▲		
22410	Airomir (8.9g)		
20061	Acardi Capsules (1.25mg)		
20008	Akineton Fine Granules (10mg/g)		
20008	Akineton Tablets (1mg)		
20016	Acuatim Cream (10g)		
22451	Acuatim Lotion (20mL)		
21841	Acdeam 90 Capsules (90mg)		
20010	Acdeam Fine Granules (100mg/g)		
20011	Acdeam Tablets (30mg)		
20013	Actosin ointment (30g)		
24001	Actos Tablets (30mg)		
10885	Accutrend Glucose IB (50 strips/bottle)		
30006	Aclaciron (20mg/V)		
24062	Accolate Tablets (40mg)		
30678	Azactam for injection 1g (1g/V)		
21858	Azulfidine EN Tablets (500mg)		

End of application

Fig. 8

"case card registration execute" tab

Case Card Registration

Select medicine to be combined

Combined medicine confirmation (two-medicine combination)

Case card registration execute

Case card registration form for combination modification
Version 1.0.0.0

The first medicine (one case) <Akineton (5mg/1mLA)>	The second medicine (three cases) <All displayed>	Combination order	Adequacy	Change time	Judgement comment	Category	Remark
Name : Akineton (5mg/1mLA) Dosage : no specification Combination order : none	Name : Aquapla 10mg (10mg/V) Dosage : no specification Combination order : none	none	adequate		Precipitation or opacity dose not occur within 24 hours.	case	
Name : Akineton (5mg/1mLA) Dosage : no specification Combination order : none	Name : Aquapla 50mg (50mg/V) Dosage : no specification Combination order : none	none	conditionally adequate	5	Precipitation or opacity dose not occurs in 1-6 hours.	case	
Name : Akineton (5mg/1mLA) Dosage : no specification Combination order : none	Name : Aquapla 100mg (100mg/V) Dosage : no specification Combination order : none	none	inadequate	1	Appearance change is observed within 1 hour.	case	

copy selected line

delete selected line

end of application

Fig. 9

Name : Aquapula 50mg (50mg/V)	
Dosage : no specification	
Combination order : none	
Dosage (lower limit)	0.000
Dosage (upper limit)	0.000
Unit	V
cancel	O K

Fig. 10

1	30004 : Akineton (5mg/1mLA)	▼
2	30734 : Aqupla 50mg (50mg/V)	▼
clear	Combination order has been confirmed.	
cancel	O K	

Fig. 11

adequate
partially aderuate
inadequate
undefined

Fig. 12

Precipitation or opacity occurs in 1to6 hours.	▲
Appearance change is observed within 1 hour.	
Content depression is notable within 1 hour.	
Precipitation or opacity occurs within 1 hour.	
Precipitation or titration reduction occurs within 1 hour.	▼

Fig. 13

internal regulations
case
external case
undefined

Fig. 14

medicine code column

"basic information 2" tab

Basic Injection DB Reference form			
Medicine Code	30004	Medicine Name	Akineton (5mg/1mlA)
		Manufacturer Name	Dai-Nippon
Basic Information 1		Basic Information 2	
Category Name		Non-infusion Solution	
therapeutic category name		Parkinson's medicine	
standard		0.5% 1ml 1tube	
dosage form		injection : liquid preparation	
volume		1.00 ml	
solution name		None	
solution volume			
storage method		room-temperature storage	
calorie		0.00 KCal	
Naoh titration		10.00 ml	
narcotic		none	
lower limit of the standard pH value		4.5	
upper limit of the standard pH value		5.5	
sample pH value		5.20	
pH change point (acid side)		1.18	
comment when pH value becomes acidic		needle-like crystal	
pH change point (basic side)		6.20	
comment when pH value becomes basic		become clouded	
osmotic pressure ratio (lower limit)		1.00	
osmotic pressure ratio (upper limit)			
procedure name			
specify individual administration		None	
comment an individual administration			
administration route			
Dosage		For adults, usually as biperiden lactate, 5-10 mg (1-2 mL) is intramuscularly injected. Intravenous injection is administered only in a special case. As biperiden lactate, 5-10 mg (1-2 mL) is gradually intravenously injected over 3 minutes for each 5 mg (1 mL).	

"basic information 1" tab

close

Fig. 15

Medicine Code	Medicine Name
	Akineton (5mg/1mLA)
Medicine Code	Medicine Name
30004	Akineton (5mg/1mLA)
30005	SMANKS 4mg (4mg/V)
30006	Aclacinon (20mg/V)
30008	Asthremedin 2 (0.5mLA)
30009	Aapara K (1712mg/10mLA)
30011	Atalax-P injection solution (25mg/1mLA)
30012	Adelavin 9 (1mLA)
30013	Adona intravenous injection (100mg/20mLA)

Fig. 16

Basic Injection DB Reference Form			
Medicine Code	30004	Medicine Name	Akineton (5mg/1mLA)
		Manufacturer Name	Dai Nippon
Basic Injection Information page 1		Basic Injection Information page 2	
User Information (for registration)			
sugar			
no date on sugar			
electrolyte			
no date on electrolyte			
amino acid			
no date on amino acid			
blood component			
no date on blood component			
vitamine			
no date on vitamine			
fat			
no date on fat			
trace of elements			
no date on trace of elements			
dissociation constant			
no date on dissociation constant			
close			

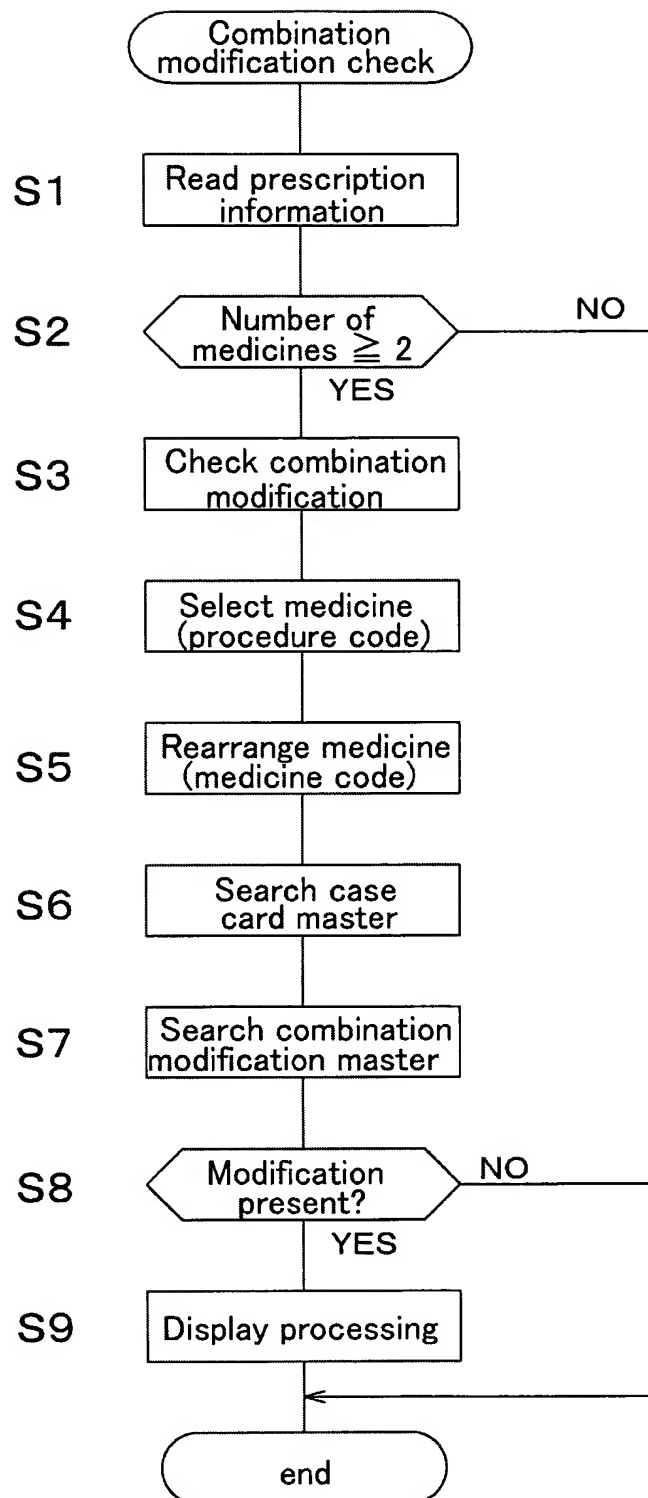
prescription input section

registered medicine
list section

Fig. 18

PROCEDURE CODE	PROCEDURE NAME	PROCEDURE CODE	PROCEDURE NAME
01	INTRAVENOUS DRIP INJECTION	11	CONTINUOUS HYPODERMIC INJECTION BY AUTOMATIC INFUSION PUMP
02	INTRAVENOUS INJECTION	12	INTRA-ARTICULAR CAVITY INJECTION
03	CENTRAL VENOUS INJECTION	13	ENDOTRACHEAL INFUSION
04	HYPODERMIC INJECTION	14	INTRATHORACIC INFUSION
05	INTRAMUSCULAR INJECTION	15	INTRAPERITONEAL INFUSION
06	CONTINUOUS INJECTION USING AUTOMATIC INFUSION PUMP	16	INTRAGASTRIC INFUSION
07	CEREBROSPINAL CAVITY INJECTION	17	INTRAVESICAL INFUSION
08	INTRAARTERIAL INJECTION	18	INTRA-TENDON SHEATH INJECTION
09	INTRAMEDULLARY INJECTION	19	SUBCONJUNCTIVAL INJECTION
10	LOCAL INJECTION	20	INTRA-CORNEA INJECTION

Fig. 19



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